clarence VALLEY COUNCIL

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On–Site Waste Water Management Application

Made under the Local Government Act 1993.

Ancillary Application No: ACT: _____

DA Number (if applicable): DA:_____

OSM No: _____

Date Lodged: _____ Receipt No: _____

Tick Appropriate Box

☐ **New Dwelling** Development Application - Install New system

☐ **Existing Dwelling -** Alter/Amend/Construct or Install New System ☐ **Reinspection fee** existing OSSM/ACT

☐ Plan submitted with application- A site plan drawn to scale showing dimensions from boundaries, dwellings and structures must be provided showing the sewage management facility, effluent application areas and any environmentally sensitive areas.

Details of the Applicant

The applicant is person(s) who are submitting the proposed application to Council for approval.

If the applicant is not the owner of the land, then the owners written consent to lodge the application is required.

It is important that we are able to contact you if we need more information. Please give us as much detail as possible.

Name(s):

Company/Organisation:

Postal Address:

Suburb or Town: State: Post Code:

Contact number:

Email*****

Applicant Signature(s): Date:

In making the application I authorise inspections by Council Officers at any time during the course of the works and agree to comply with the requirements of the Council and Local Government Act 1993.

***Preferred method of contact unless otherwise stated**

Details of the Owner(s) – As the owner(s) of the property, I/we consent to this application.

This section must be completed by ALL owners. If agreements for the sale of the property have been exchanged, the names of both the vendor and the purchaser must be provided.

Application involving a strata can be signed by an office holder of the strata body.

If the owner of the property is a company, the company seal or proof of authority to sign must be provided.

Name(s):

Contact number:

Email:

Postal Address:

Town/Locality: State: Post Code:

Owner Signature(s): Date:

Identify the Land to be Developed

It is important that the property is accurately identified by its legal description.

Lot | Section | Deposited Plan No.

No | Street | Town/Locality

Type of Treatment System – You may need to first complete the Checklist on the following page before you select a system

There are various types of systems. Please nominate or describe the system to be operated.

- Standard Septic Tank ☐
- Aerated Wastewater Treatment System (AWTS) ☐
- Composting Toilet (Wet or Dry) ☐
- Greywater Management System ☐
- Reed Bed or Constructed Wetland ☐
- Other (please describe):

Type of Land Application System

There are various types of land application systems. Please nominate or describe the system to be installed.

For systems pumping wastewater, the size of the pump and any adverse fall is to be shown (in metres) for systems that pump effluent.

- Sub-surface / Surface Irrigation System ☐
- Evapotranspiration - Absorption Trench (ETA) ☐
- Transpiration System/Mounds ☐
- Other (please describe) ☐
- Vertical difference from top of facility to the effluent land application area for AWTS (approx.) ____m
- Pump Size (metres head - if applicable) ____m

Design Details

PLANS

Plans: **Please provide one A4 or A3 plan.**
A site plan drawn to scale showing dimensions from boundaries, dwellings and structures must be provided showing the sewage management facility, effluent application areas and any environmentally sensitive areas. ☐

Indicate the type of premises generating the effluent/wastewater.

Residential:

- Number of bedrooms/study?
- Number of persons to be residing?
- Will town water or tank water be used? ☐ Town Water ☐ Tank Water
- Size of the Lot (m2 or hectares)?

Tank Details

- Tank Manufacturer:
- Tank Model:
- **NSW Health Accreditation No*:**

**Attach copy of tank NSW Health Accreditation Information*

Installer and Maintenance Details

Who will be installing the wastewater system and disposal area?

Name: _____ Lic. No.: _____

Address: _____

Phone: _____ Mobile: _____

I agree to install the landscaping and any land application system prior to the occupation of the building.

Signature: _____ **Date:** _____

Who will be doing the plumbing from the dwelling to the wastewater tank?

Name: _____

Address: _____

Phone: _____

What are the operating and maintenance requirements for the system?
(Describe – attach if necessary).

Supporting Information for Selecting a Wastewater Treatment and Disposal System for Single Dwellings

Where all the answers to the check list questions are "yes" (excluding the last 2 questions) and this is confirmed by Council's Environmental Health Officer, applications will not require a consultants report. Application to Council can be made for one of the following treatment and disposal methods shown after the table below.

1.	Is the proposed disposal area greater than 100 metres to permanent water (such as rivers or creek) or other sensitive environments such as national parks or wetlands?	☐ Yes	☐ No
2.	Is the proposed disposal area greater than 40 meter to other waters (such as farm dams, drainage channels, storm water easements)?	☐ Yes	☐ No
3.	Is the proposed disposal area greater than 250 m from a domestic bore?	☐ Yes	☐ No
4.	Is the water table greater than 1 metre below the surface? If Yes: What is the depth to groundwater? _____ How did you determine this? _____	☐ Yes	☐ No
5.	Is the proposed disposal area greater than 10 metres from the property boundaries?	☐ Yes	☐ No
6.	Is the proposed disposal area greater than 6 metres from the dwelling?	☐ Yes	☐ No
7.	Do you have a minimum effluent disposal area of 400m2 dedicated for effluent disposal? (This area does not include buffers indicated above)	☐ Yes	☐ No
8.	Is the slope of the proposed disposal area less than 10%?	☐ Yes	☐ No
9.	Is the proposed disposal area above the 1:20 year flood level? If No: See section below. Need to discuss with Council. May require consultants report.	☐ Yes	☐ No

Deemed to Comply Systems

If you have answered 'Yes' to all the questions above (excluding the last two questions) and this is confirmed by a Council Environmental Health Officer, one of the following treatment systems shown below may be applied for without a Consultants Report.

1. **Aerated Wastewater Treatment System (or other accredited secondary treatment device) with land disposal into either**:
   - ***Subsurface Pressure Compensating Drip Irrigation*** **-** CVC requires that Sub-surface irrigation systems must be designed and/or certified, installed and maintained by CID (Certified Irrigation Designer) or suitably qualified persons. Details of the irrigation design must be submitted with this application. See Clarence Valley Council's On-Site Wastewater Model for SDI sizing.
   - ***Surface Irrigation***
     - Submit a detailed diagram showing the layout of the sprinklers (maximum 2m throw and approx 1 sprinkler per 20m^2) and details of the pump.
     - Minimum Lot size of 4000m2
     - A treatment system accredited by the NSW Department of Health for Surface Spray Irrigation
     - The proposed Land Application Area (LAA) must be sized in accordance with the OSM Design Model (using SDI parameter) with a minimum LAA of 400m2, an indexing valve, fixed heavy droplet sprinklers, an inline filter and two "Recycled Effluent" warning signs
     - The proposed LAA must meet all recommended buffer distances in accordance with the Environment & Health Protection Guidelines 1998, Table 5
   - ***Dripper irrigation under Mulch in Garden Beds*** – A minimum disposal area covering 400m2, Details of the irrigation design must also be submitted with this application. See Clarence Valley Council's On-Site Wastewater Model for SDI sizing.
   - ***Evapo-transpiration absorption (ETA) Trenches*** **-** If ETA trenches are to be installed See Clarence valley Council's On-Site Wastewater Model for trench sizes.
   - ***Wisconsin Mound –*** Must be designed and installed in accordance with the requirements of Technical Support Document 3 Section 8 *Clarence Valley Council Onsite Sewage Management Strategy*.

   Note: The AWTS must be approved by the Department of Health and the Land Application design must meet the requirements of Technical Support Document 3 Section 8 *Clarence Valley Council Onsite Sewage Management Strategy*

2. **Reedbed (meeting effluent quality standard of 20mg/L BOD and 30mg/L TSS)**
   - Must provide a detailed schematic diagram of the Reed Bed.
   - Must provide a Reed Bed Owner's Manual to Council signed by the Owner and Installer.
   - Must provide a Service Contract signed by the Owner and Service Agent.

   Reedbed with Sub-surface Irrigation
   - Must provide a detailed schematic diagram of the SDI.
   - Must include SDI in the Reed Bed Owner's Manual and provide a copy to Council signed by the Owner and Installer.
   - Must include SDI in the Service Contract signed by the Owner and Service Agent.

For all other land application options see Clarence Valley Council's On-Site Wastewater Management Strategy.

3. **Composting Toilet (accredited by Dept. Health) and grey water treatment (small septic tank) and disposal**. The minimum requirements for greywater treatment is a small septic tank with outlet filter discharging to either trenches or ETA beds. Details of greywater/ and or blackwater trenches are to be provided with the application.

4. **Septic Tank and Polishing Pond on lots greater than 40 Hectares**- In areas with a heavy clay soil on lots greater than 40 ha Council will consider the installation of a polishing pond. This involves the use of a septic tank with outlet filter discharging into a clay lined pond. See standard detail of polishing pond in the onsite wastewater technical support documents.

5. **Septic Tank and Trenching on lots greater than 1 hectare** – Only an option for properties greater than 1 hectare on a suitable loam soil (not permitted on clay soils). See Clarence valley Council's On-Site Wastewater Model for trench sizes.

If you answered "No" above (excluding last 2 questions) or if multiple dwellings/ units see below

For systems that answered "No" to one of the questions above (excluding the last two questions) and lots with more than one dwelling per lot, a consultants effluent report will be required.

Where the lot size and/or proximity to a waterbody or groundwater prevent achievement of the recommended buffer distances any on-site system design will need to demonstrate how the public health and environmental objectives of the Environment and Health Protection Guidelines, AS1547:2000 and this Strategy will be achieved. Systems with improved effluent quality shall be used in these situations.

Consultants reports are to comply with CVC On-site Wastewater Management Strategy, the *Environment and Health Protection Guidelines* and *AS1547 –2000*. An on-site wastewater system will only be approved where Council is satisfied all necessary requirements are met and it will not pose an unacceptable risk to public health or the environment. CVC Technical Support Doc 3 outlines requirements for wastewater consultants.

IMPORTANT NOTES: ***For consultants reports the owner is to be consulted at all stages of the process to ensure they understand the options and are in agreement with the system to be installed and the associated ongoing maintenance requirements.***

Effluent Disposal Area Below the 1:20 Year Flood Level

If the proposed effluent disposal area is to be located below the 1:20 year flood level you will need to discuss this limitation with Council's Environmental Health / Building Officer. As all sites vary, Council can not give a generic requirement for flood prone areas however Council will generally require the disposal areas in flood prone areas to be either raised above nuisance flood level (possibly within the mound of the dwelling), and /or require the effluent to be treated to a high level or install some form of mounded disposal area. Where a solution can not be found on some sites a consultants report may be required to address this constraint.

Clarence Valley Council's On-Site Wastewater Model

Clarence Valley Council has developed a computer model to assist in the sizing of land application areas, particularly Evapotranspiration - Absorption (ETA) trench-type systems and irrigation-type systems (SDI).

The computer model simulates processes involved in on-site disposal of wastewater. The model is based on published technical material and the climatic data of the Clarence Valley area. This model includes user interface features such as list boxes, check boxes and buttons from which parameter values may be chosen. The information that the model produces from the users chosen parameters may be lodged along with this application to justify the sizing of the land application area.

The model and its associated user manual can be found on Clarence Valley Council's website www.clarence.nsw.gov.au.

Fees Payable 2020/21 (Office Use Only)

	Amount	Receipt Number	Receipt Date	Ancillary Application - OSM
Installation Application	239.30			Proclaim Group – Ancillary
Operation Application	56.10			Application (ACT)
Alter/Amend/Construct App	82.60			Category - OSM
Installation/Amend Inspection	149.50			
Re- inspection fee	149.50			

Privacy Advice

The personal information that Council has collected or is collecting from you is personal information for the purposes of the Privacy and Personal Information Protection Act 1998 (PPIPA). Council will only use this information in accordance with the PPIPA.

The supply of this information by you is voluntary. However, if you cannot provide or do not wish to provide the information sought, the Council may be limited in dealing with your application/request. Council requires this personal information from you in order to process your application.

You may make application for access or amendment to your personal information held by Council. Council will consider any such application in accordance with the PPIPA.

Council is to be regarded as the agency that holds the information.